INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/10307

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : B01D 27/06			
US CL: 210/493.1 According to International Patent Classification (IPC) or to both national classification and IPC			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 210/493.1, 483, 488, 493.2, 497.01, 484			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used),			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
	US 5,252,207 (MILLER et al) 12 October 1993 (12.10.1993), columns 3-6; columns 10-12.		1-4, 6-7
Y			5
Y	Y US 3,799,354 (BUCKMAN et al) 26 March 1974 (26.03.1974), columns 3-6.		5
Further documents are listed in the continuation of Box C.		See patent family annex.	
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of		"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
particular relevance "E" earlier application or patent published on or after the international filing date		"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious	
"O" document referring to an oral disclosure, use, exhibition or other means		to a person skilled in the art	
priority date claimed		"&" document member of the same patent fa	
		Date of mailing of the international search report 1 4 SEP 2005	
17 August 2005 (17.08.2005) Name and mailing address of the ISA/US		Authorized officer	
Mail Stop PCT, Attn. ISA/US Commissioner of Patents		Wanda Walker PARALEGAL SPECIALIST	
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